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OFFICIAL JOURNAL OF THE PLANT VARIETY PROTECTION OFFICE



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PREFACE

The Plant Variety Protection Act, (7 U.S.C. 2321 et seq.) authorizes the Secretary of Agriculture to publish an Official Journal and to provide the public with pertinent information relating to the operations of the Plant Variety Protection Office.

The statute also authorizes the Secretary to disseminate technological and other information available to the Office that would encourage innovation and promote progress in plant breeding.

The Official Journal, which is published quarterly, includes instructions issued by the Office and related information. It will be sent free to anyone on request. Send requests to:

Plant Variety Protection Office
Grain Division, AMS
U. S. Department of Agriculture
6525 Belcrest Road
Hyattsville, Maryland 20782

This issue covers the period from October 1 through December 31, 1974.

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APPLICATIONS RECEIVED

<u>Application No.</u>	<u>Date</u>	<u>Name of applicant(s)</u>	<u>Name of kind</u>	<u>Name of variety (or designation)</u>
7500024	9/27/74	W. Atlee Burpee Co.	marigold	Golden Hawaii
7500025	"	"	China aster	Red Mound
**7500026	10/7/74	Seed Research Association, Inc.	agroticum	2350 (2)
**7500027	"	"	agroticum	3425 (2)
7500028	10/4/74	(Permission to publish not rec'd)	cotton	Lambright GL-N
7500029	"	"	cotton	Lambright GL-5
**7500030	10/16/74	McNair Seed Co.	tobacco	McNair 1040 (3)
7500031	10/17/74	Asgrow Seed Co.	pea	Dash
**7500032	10/24/74	(Permission to publish not rec'd)	clover	RHA-1 (3)
**7500033	10/30/74	Northrup, King & Co.	wheat	Probred (3)
7500034	11/11/74	Dahlgren & Co.	sunflower	D51
7500035	"	"	sunflower	D5
**7500036	11/13/74	Robert Duell & Richard Schmidt	red fescue	Fortress (2)
**7500037	11/19/74	(Permission to publish not rec'd)	pea	Edison
**7500038	"	"	pea	Almota
**7500039	12/9/74	"	pea	Connor
**7500040	"	"	pea	Prospector
7500041	12/16/74	"	lettuce	Excell
7500042	"	"	alfalfa	Nugget
**7500043	12/17/74	"	chewings fescue	Banner (3)
7500044	12/26/74	Crites Moscow Growers, Inc.	pea	Swinger
<u>CORRECTIONS</u>				
72040	10/14/71	Steve Landry	rice	Golden Steve

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 () No. of generations of certified seed permitted beyond breeder's seed.

AMENDMENTS

<u>Application No.</u>	<u>Date</u>	<u>Name of applicant(s)</u>	<u>Name of kind</u>	<u>Name of variety (or designation)</u>
7159	3/22/71	W. Atlee Burpee Co.	zinnia	Giant Emperor
7179	4/22/71	" "	calendula	Golden Gem
72007	7/19/71	Denholm Seeds	nasturtium	Orange Jewel
72108	3/21/72	W. Atlee Burpee Co.	snapturion	Bright Scarlet
73095	6/13/73	Pure Line Seeds	pea	Aspen
7400032	11/9/73	W. Atlee Burpee Co.	calendula	Orange Gem
7400033	" "	" "	zinnia	Ruffled Jumbo
7400066	2/21/74	Pickseed West, Inc.	Kentucky blue- grass	Scarlet Touchdown
7400068	3/1/74	Cargill, Inc.	wheat	Bounty 309
**7400078	3/18/74	Ohio Ag. Research & Development Ctr.	wheat	Ruler (3)
7400096	4/22/74	Dunn Seed Farms	cotton	Dunn 120
**7400004	7/22/74	Wisconsin A.E.S.	oat	Goodland (3)
**7500005	7/26/74	Northrup, King and Co.	wheat	Prodax (3)
**7500006	8/7/74	McNair Seed Co.	wheat	McNair 1813 (3)
**7500010	9/9/74	Funk Seeds	wheat	W-504 (3)

CERTIFICATES ISSUED AND NOVELTY BASED ON APPLICANT'S CLAIMS

<u>Certificate No.</u>	<u>Issue Date</u>	<u>Owner</u>	<u>Name of kind</u>	<u>Name of Variety</u>
7200145	Oct. 30, 1974	FMC Corporation	bean	Gem
'Gem' most closely resembles 'Earliwax.' 'Gem' pods are longer than 'Earliwax' in all sieve sizes.				
7300054	Oct. 30, 1974	Agripro, Inc.	soybean	Mitchell
'Mitchell' most closely resembles 'Cutler.' Seeds of 'Mitchell' have a brown hilum' whereas, seeds of 'Cutler' have a black hilum. 'Mitchell' is also 3 days later in maturity than 'Cutler.'				

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7400079	Oct. 30, 1974	Agripro, Inc.	soybean	Agripro 27
'Agripro 27' is most similar to 'Calland.' 'Agripro 27' is susceptible to phytophthora and 'Calland' is resistant. 'Agripro 27' is 2 days later in maturity than 'Calland' in central Iowa.				
7400080	Oct. 30, 1974	Agripro, Inc.	soybean	Agripro 25
'Agripro 25' most closely resembles 'Calland.' 'Agripro 25' has gray pubescence; whereas, 'Calland' has tawny pubescence. 'Agripro 25' is 5.0 to 7.6 cm shorter in plant height and lodges less than 'Calland.'				
7400081	Oct. 30, 1974	Agripro, Inc.	soybean	Pontiac
'Pontiac' most closely resembles 'Beeson.' 'Pontiac' seeds have yellow hila; whereas, 'Beeson' seeds have imperfect black hila. 'Pontiac' is 4 days later in maturity than 'Beeson.'				
7400097	Oct. 30, 1974	Lynnville Seed Company	soybean	3034
'3034' is most similar to 'Amsoy,' '3034' matures 4 days later, has larger seeds, and has greater resistance to lodging than 'Amsoy.'				
7200138	Nov. 15, 1974	Cal-West Inc.	agroticum	W-21

'W-21' is the original 56 chromosome variety of agroticum with the following characteristics; 'W-21' is 30 days later and 25 cm taller than 'Inia 66' wheat. 'W-21' stems lack anthocyanin and waxy bloom. The internodes are hollow. The leaves are smooth and green in color. There is a waxy bloom on the flag leaf and no hairs on the first leaf sheath. The heads are white, lax, and parallel. The glumes are long and narrow with square shoulders and acuminate beak. The coleoptile is purple in color. The seeds are elliptical and red with rounded cheeks, a small short brush, and small embryos.

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<u>Certificate No.</u>	<u>Issue Date</u>	<u>Owner</u>	<u>Name of kind</u>	<u>Name of variety</u>
7200136	Nov. 15, 1974	FMC Corporation	watermelon	Charleston 76
'Charleston 76' most closely resembles 'Charleston Grey' but has more blocky, less tapering fruit with a higher length-diameter ration of 2.22 compared with 2.02 for 'Charleston Grey.' 'Charleston 76' seeds are smaller weighing 11 grams per 100 seeds and average 20 percent black mottled seeds compared with 13 grams per 100 and 35 percent black mottled seeds for 'Charleston Grey.'				
7300001	Nov. 15, 1974	Keystone Seed Co.	onion	Scanion
'Scanion' most closely resembles 'Southport White Globe' but 'Scanion' does not bulb south of 38° N. before prime bunching stage has passed, matures its seed 10 days later and has larger diameter umbels than 'Southport White Globe.'				
7300034	Nov. 15, 1974	W. Atlee Burpee Co.	marigold	Big Almost White
'Big Almost White' most closely resembles 'Whitemost.' However, 'Big Almost White' has deeper green, less virescent foliage; larger flowers (89 vs 64 mm diameters); and flower centers are better filled with disk florets than 'Whitemost.'				
7200002	Nov. 20, 1974	Denholm Seeds	nasturtium	Crimson Jewel
'Crimson Jewel' is a 'Jewel' type with crimson-colored flower.				
7200003	Nov. 20, 1974	Denholm Seeds	nasturtium	Golden Jewel
'Golden Jewel' is a 'Jewel' type with gold-colored flowers.				
7200004	Nov. 20, 1974	Denholm Seeds	nasturtium	Mahogany Jewel
'Mahogany Jewel' is a 'Jewel' type with mahogany-colored flowers.				

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7200006	Nov. 20, 1974	Denholm Seeds	nasturtium	Scarlet Jewel
'Scarlet Jewel' is a "Jewel" type with scarlet-colored flowers.				
7200143	Nov. 20, 1974	Delta & Pine Land Co.	cotton	Deltapine 826
'Deltapine 826' most closely resembles 'Deltapine 16'; however, 'Deltapine 826' yields 5 percent less lint, has a 1.3 percent lower lint percent, 1.6 grs/tex higher tensile strength, 14 PSI higher yarn strength, .01 inch longer fiber and a 0.15 higher micronaire, and is taller, more erect and the cotton strings out more than 'Deltapine 16.'				
7300014	Nov. 20, 1974	Delta & Pine Land Co.	cotton	Deltapine 137
'Deltapine 137' most closely resembles 'Deltapine 16' except that 'Deltapine 137' has an 8-10 percent higher lint yield, greater tolerance to verticillium wilt and to impermeable soils, has a greater leafiness, and vigor, is taller, has a stiffer stalk and is more resistant to lodging, has a 1-1.5 percent higher lint percent, and 0.02 inch shorter fiber than 'Deltapine 16.'				
7300028	Nov. 20, 1974	Ferry Morse Seed Co.	bean	Ozark
'Ozark' most closely resembles 'Avalanche.' Pods of Ozark' are 1.25 cm longer, pod spurs are 3.6 mm longer, and pods are rounder and develop seed and fiber at a slower rate than 'Avalanche.'				
7300029	Nov. 20, 1974	Ferry Morse Seed Co.	bean	Cumberland
'Cumberland' most closely resembles 'Slinggreen.' Plants of 'Cumberland' are taller (15.5 vs 14.4 inches); wider: (20.7 vs 15.4 inches) and pods of 'Cumberland' are significantly longer than those of 'Slinggreen' (6.41 vs 4.97 inches).				
**7300083	Nov. 20, 1974	Florida Foundation Seed Producers	soybean	Hutton(3) (all rights waived)
'Hutton' is most similar to 'Bragg.' 'Hutton' has purple flowers contrasted to white for 'Bragg.'				
'Hutton' matures 8 days later and its seeds are higher in protein and lower in oil content than 'Bragg.'				

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7300103	Nov. 20, 1974	Delta and Pine Land Co.	cotton	Deltapine 61
'Deltapine 61' most closely resembles 'Deltapine 16' except that 'Deltapine 61' has 1-2 percent higher lint percent, is 10 cm taller, is less determinate and yields 8 percent higher lint than 'Deltapine 16.'				
7400025	Nov. 20, 1974	Delta and Pine Land Co.	cotton	Deltapine 66
'Deltapine 66' most closely resembles 'Deltapine 16' except that 'Deltapine 66' is more tolerant of high nighttime temperatures, produces more flowers, has a 0.5 percent higher lint percent, a .03 inch shorter fiber, and a 0.3 lower micronaire and lint yield is higher in the lower desert areas of Arizona and California.				
7400053	Nov. 20, 1974	Morrison Bros. Seeds	pea	Leo
'Leo' most closely resembles 'Dark Skin Perfection' but has a 5 cm taller vine, bears slightly curved pods singly, in 2's, 3's, and 4's, and requires 60 less heat units to 100 TDR compared to 'Dark Skin Perfection.' 'Leo' is resistant to fusarium wilt race 5 and is susceptible to race 1; whereas, 'Dark Skin Perfection' is susceptible to fusarium wilt race 5 and resistant to race 1.				
7400054	Nov. 20, 1974	Asgrow Seed Co.	pea	Juneau
'Juneau' most closely resembles 'Alaska M-163' but has much darker green foliage, pods, fresh, and dry seeds than 'Alaska M-163'. The dry seeds of 'Juneau' are green 138B-139C while the dry seeds of 'Alaska M-163' are grey-green 193A-193B, on the Royal Horticultural Society Colour Chart.				
7400059	Nov. 20, 1974	Ferry-Morse Seed Co.	bean	Petite
'Petite' most closely resembles 'Slinggreen'; 'Petite' differs from 'Slinggreen' but having plants and pods 0.85 cm longer, 0.7 mm thicker, darker green and with spurs 7 mm longer.				

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**7400078	Nov. 20, 1974	Ohio Agricultural Research Development Center	wheat	Ruler(3)
'Ruler' most closely resembles 'Logan,' however, 'Ruler' is 10 cm shorter, 2 days earlier, more susceptible to leaf rust and more resistant to wheat spindle streak mosaic virus than 'Logan.'				
7400083	Nov. 20, 1974	Asgrow Seed Co.	bean	Bush Blue Lake 471
Plant type most closely resembles that of 'Checkmate' and pods are most similar to those of 'Bush Blue Lake 274' in flavor, texture, and holding quality on the steam table. 'Bush Blue Lake 471' pods are rounder and longer than those of 'Checkmate.' Pod maturity is later and pods are smaller in sieve size than those of 'Bush Blue Lake 274.'				
7400095	Nov. 20, 1974	Asgrow Seed Co.	lettuce	Citation

'Citation' most closely resembles 'Buttercrunch' but Citation seedlings are 8 mm shorter, cotyledons are 3.4 mm longer, mature leaf color is dark blue green vs yellow-green, leaves are smooth and entire in lieu of being savoyed and incised, and 'Citation' is more resistant to bitterness and bolting than 'Buttercrunch.'

NOTE: Section 91(a) of the Plant Variety Protection Act and sections 180.200-201 of the regulations and rules of practice thereunder provide that any person may request a reexamination within 5 years after issuance of a certificate.

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GENERAL INFORMATION

REGULATIONS AND RULES OF PRACTICE AMENDED

Effective February 5, 1975, the amended regulations and rules of practice will permit publication of information as to whether an applicant for protection of a novel variety specified that seed of the variety shall be sold "by variety name only as a class of certified seed." It also permits showing the number of generations beyond breeder seed that the variety may be certified. This information is published in the Official Journal.

Under the former regulations, such information on pending applications could not be published without specific approval of the applicant. Not being able to consistently publish such information created confusion.

Copies of the amended regulations will be sent to all persons that receive the Official Journal. Additional copies may be obtained from the Plant Variety Protection Office.

UPOV REPORT

The Council of the International Union for the Protection of New Varieties of Plants (UPOV) met in Geneva, Switzerland, October 24-26, 1974.

Principal decisions made were to establish a Committee of Experts on International Cooperation in Examination. Its purpose is to study the possibility of avoiding duplication of effort (particularly grow-out tests) when a breeder applies for protection in more than one member and/or nonmember country on the same variety.

The Council also created a Committee of Experts on the Interpretation and Revision of the Convention in order to recommend changes that would make it possible for more nonmember countries to join UPOV. This Committee resulted from a meeting of member and nonmember countries which preceded the Council meeting. The United States delegates presented a number of points in the Convention which were in conflict with the U.S. Patent Act and the U. S. Plant Variety Protection Act.

Mr. B. Laclaviere of France was elected President of the Council to succeed Prof. Dr. L. Pielen of Germany who had served 3 years.

